

Comparisons of Job Characteristics

Focus Occupation: [Electricians \(47-2111\)](#)

Associated Occupation: [Electronic Home Entertainment Equipment Installers and Repairers \(49-2097\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 71

Focus Occupation: Electricians (47-2111)

Associated Occupation: Electronic Home Entertainment Equipment Installers and Repairers (49-2097)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Computers and Electronics	8.4	15.0	10.1	<<	Extensive education and/or training may be required
Customer and Personal Service	11.3	14.6	11.7	<	Expanded education and/or training may be required
Engineering and Technology	5.7	14.3	11.8	<	Expanded education and/or training may be required
Telecommunications	3.9	12.5	10.4	<	Expanded education and/or training may be required
Design	5.2	8.6	13.4	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Electricians (47-2111)

Associated Occupation: Electronic Home Entertainment Equipment Installers and Repairers (49-2097)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Quality Control Analysis	5.9	11.5	11.0	0	Current skill level may be sufficient
Troubleshooting	4.5	11.5	12.3	0	Current skill level may be sufficient
Repairing	3.4	11.0	11.6	0	Current skill level may be sufficient
Equipment Maintenance	3.5	9.1	10.3	>	Skill level is likely sufficient
Installation	1.7	9.1	9.4	0	Current skill level may be sufficient
Equipment Selection	3.3	8.2	8.4	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Electricians (47-2111)

Associated Occupation: Electronic Home Entertainment Equipment Installers and Repairers (49-2097)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Finger Dexterity	7.6	12.5	11.8	0	Current ability level may be sufficient
Near Vision	11.1	11.4	12.3	0	Current ability level may be sufficient
Visualization	7.5	11.2	12.2	0	Current ability level may be sufficient
Visual Color Discrimination	6.4	10.6	12.8	>	Current ability level is likely sufficient
Problem Sensitivity	11.1	10.1	12.7	>	Current ability level is likely sufficient
Deductive Reasoning	10.6	10.0	11.2	>	Current ability level is likely sufficient
Information Ordering	9.9	9.8	11.6	>	Current ability level is likely sufficient
Oral Comprehension	12.5	9.8	12.2	>	Current ability level is likely sufficient
Hearing Sensitivity	5.6	8.6	7.9	0	Current ability level may be sufficient
Sound Localization	2.2	5.4	5.3	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Electricians (47-2111)

Associated Occupation: Electronic Home Entertainment Equipment Installers and Repairers (49-2097)

Work Activities	Exclusivity of Activity
Analyze operation of malfunctioning electrical or electronic equipment	68
Distinguish colors	44
Estimate cost for repair services	82
Fabricate, assemble, or disassemble manufactured products by hand	11
Install/connect electrical equipment to power circuit	57
Perform safety inspections in industrial, manufacturing or repair setting	32
Read technical drawings	7
Repair electronic components, equipment, or systems	74
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Replace electronic components	63
Solder electrical or electronic connections or components	55
Test electrical/electronic wiring, equipment, systems or fixtures	54
Test electronic or electrical circuit connections	66
Understand service or repair manuals	40
Use electrical or electronic test devices or equipment	40

Use hand or power tools	2
Use interpersonal communication techniques	10
Use oscilloscopes in electronics repair	77
Use soldering equipment	44
Use voltmeter, ammeter, or ohmmeter	52

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Electricians (47-2111)

Associated Occupation: Electronic Home Entertainment Equipment Installers and Repairers (49-2097)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.